

## ABSTRACT OF THE DISCLOSURE

A coaxial via hole structure used in a carrier is disclosed. The coaxial via hole includes an outer cylinder-shaped conductor, an inner cylinder-shaped conductor and an intermediate fill. The outer cylinder-shaped conductor extends along a first direction. The inner cylinder-shaped conductor is disposed in the outer cylinder-shaped conductor and also extends along the first direction. The intermediate fill is between the outer cylinder-shaped conductor and the inner cylinder-shaped conductor and is made of insulating material or electrical-resistant material. The coaxial via hole structure can be applied as a capacitor or a resistor and has the function of signal shielding.

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